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 1 [Analysis of navigation behaviour in web sites integrating multiple information systems](#) 100%


Bettina Berendt , Myra Spiliopoulou

The VLDB Journal — The International Journal on Very Large Data Bases

March 2000

Volume 9 Issue 1

The analysis of web usage has mostly focused on sites composed of conventional static pages. However, huge amounts of information available in the web come from databases or other data collections and are presented to the users in the form of dynamically generated pages. The query interfaces of such sites allow the specification of many search criteria. Their generated results support navigation to pages of results combining cross-linked data from many sources. For the analysis of visitor naviga ...

 2 [Declarative specification of Web sites with S](#) 100%




Mary Fernández , Daniela Florescu , Alon Levy , Dan Suciu


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March 2000

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S is a system for implementing *data-intensive* Web sites, which typically integrate information from multiple data sources and have complex structure. S's key idea is separating the management of a Web site's data, the specification of its content and structure, and the visual representation of its pages. S provides a declarative *query language* for specifying a site's content and structure, and a simple *template language* for specifying a site's HTML representation. This paper ...

- 3 Automatic hypermedia generation for ad hoc queries on semi-structured data 100%
 Geert-Jan Houben , Paul De Bra
Proceedings of the fifth ACM conference on Digital libraries June 2000
This paper describes research on the automatic generation of hypermedia or Web-based presentations for semi-structured data resulting from ad-hoc queries. We identify how different aspects of adaptation, such as personalization and customization, influence the generation process. We address important aspects of the software that facilitates the generation process.
- 4 WebView materialization 100%
 Alexandros Labrinidis , Nick Roussopoulos
ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data May 2000
Volume 29 Issue 2

A *WebView* is a web page automatically created from base data typically stored in a DBMS. Given the multi-tiered architecture behind database-backed web servers, we have the option of materializing a *WebView* inside the DBMS, at the web server, or not at all, always computing it on the fly (virtual). Since *WebViews* must be up to date, materialized *WebViews* are immediately refreshed with every update on the base data. In this paper we compare the three materialization policies (materializ ...
- 5 Bringing order to the Web: automatically categorizing search results 100%
 Hao Chen , Susan Dumais
Proceedings of the SIGCHI conference on Human factors in computing systems April 2000

We developed a user interface that organizes Web search results into-hierarchical categories. Text classification algorithms were used to automatically classify arbitrary search results into an existing category structure on-the-fly. A user study compared our new category interface with the typical ranked list interface of search results. The study showed that the category interface is superior both in objective and subjective measures. Subjects liked the category interface much better than t ...
- 6 Web access to environmental databases: a database query and presentation system for the UK environmental change network 100%
 S. C. Rennie , A. M. J. Lane , M. Wilson
Proceedings of the 2000 ACM symposium on Applied computing March 2000
- 7 Margin notes: building a contextually aware associative memory 100%
 Bradley J. Rhodes
Proceedings of the 5th international conference on Intelligent user interfaces January 2000
Both the Human Computer Interaction and Information Retrieval fields have developed techniques to allow a searcher to find the information they seek quickly. However, these techniques are designed to augment one's direct-recall memory, where the searcher is actively

trying to find information. Associative memory, in contrast, happens automatically and continuously, triggering memories that relate to the observed world. This paper presents design techniques and heuristics for building &ldquo ...

- 8 Learning users' interests by unobtrusively observing their normal behavior 100%



Jeremy Goecks , Jude Shavlik

Proceedings of the 5th international conference on Intelligent user interfaces January 2000

For intelligent interfaces attempting to learn a user's interests, the cost of obtaining labeled training instances is prohibitive because the user must directly label each training instance, and few users are willing to do so. We present an approach that circumvents the need for human-labeled pages. Instead, we learn “surrogate” tasks where the desired output is easily measured, such as the number of hyperlinks clicked on a page or the amount of scrolling performed. Our assumpt ...

- 9 Guiding people to information: providing an interface to a digital library using reference as a basis for indexing 100%



Shannon Bradshaw , Andrei Scheinkman , Kristian Hammond

Proceedings of the 5th international conference on Intelligent user interfaces January 2000

We describe Rosetta, a digital library system for scientific literature. Rosetta makes it easy for people to find the information for which they are looking even when using short, imprecise queries. Rosetta indexes research articles based on the way they have been described when cited in other documents. The concise descriptions that occur in citations are similar to the short queries people typically form when searching; therefore, citations make a better basis for indexing than do the wor ...

- 10 Presenting through performing: on the use of multiple lifelike characters in knowledge-based presentation systems 100%



Elisabeth André , Thomas Rist

Proceedings of the 5th international conference on Intelligent user interfaces January 2000

In this paper, we investigate a new style for presenting information. We introduce the motion of presentation teams which — rather than addressing the user directly — convey information in the style of performances to be observed by him or her. The paper presents an approach to the automated generation of performances which has been tested in two different application scenarios, car sales dialogues and soccer commentary.

- 11 Privacy interfaces for information management 100%



Tessa Lau , Oren Etzioni , Daniel S. Weld

Communications of the ACM October 1999
Volume 42 Issue 10

- 12 Improved algorithms for topic distillation in a hyperlinked environment 100%



Krishna Bharat , Monika R. Henzinger

Proceedings of the 21st annual international ACM SIGIR conference on Research and development in information retrieval August 1998

- 13 Database techniques for the World-Wide Web: a survey 100%
[A] Daniela Florescu , Alon Levy , Alberto Mendelzon
ACM SIGMOD Record September 1998
Volume 27 Issue 3
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ACM SIGMOD Record March 1999
Volume 28 Issue 1
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Proceedings of the 11th annual ACM symposium on User interface software and technology November 1998
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Proceedings of the conference on Designing interactive systems: processes, practices, methods, and techniques August 1997
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Proceedings of the conference on Visualization '96 October 1996
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[A] Gregory D. Abowd , Christopher G. Atkeson , Ami Feinstein , Cindy Hmelo , Rob Kooper , Sue Long , Nitin Sawhney , Mikiya Tani
Proceedings of the fourth ACM international conference on Multimedia February 1997
- 20 HyPursuit: a hierarchical network search engine that exploits content-link hypertext clustering 100%
[A] Ron Weiss , Bienvenido Vélez , Mark A. Sheldon
Proceedings of the the seventh ACM conference on Hypertext March 1996

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 Bettina Berendt , Myra Spiliopoulou
The VLDB Journal — The International Journal on Very Large Data Bases
 March 2000
 Volume 9 Issue 1
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- 3 [At the forge: data modeling with Alzabo](#) 77%

 Reuven M. Lerner
Linux Journal October 2001
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 Ralph Krause

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The VLDB Journal — The International Journal on Very Large Data Bases

March 2000

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2 [An XML query engine for network-bound data](#)

77%



Zachary G. Ives , A. Y. Halevy , D. S. Weld

The VLDB Journal — The International Journal on Very Large Data Bases

December 2002

Volume 11 Issue 4

XML has become the lingua franca for data exchange and integration across administrative and enterprise boundaries. Nearly all data providers are adding XML import or export capabilities, and standard XML Schemas and DTDs are being promoted for all types of data sharing. The ubiquity of XML has removed one of the major obstacles to integrating data from widely disparate sources - namely, the heterogeneity of data formats. However, general-purpose integration of data across the wide are a also re ...

3 [On XML integrity constraints in the presence of DTDs](#)

77%



Wenfei Fan , Leonid Libkin

Journal of the ACM (JACM) May 2002

Volume 49 Issue 3

The article investigates XML document specifications with DTDs and integrity constraints, such as keys and foreign keys. We study the consistency problem of checking whether a given specification is meaningful: that is, whether there exists an XML document that both conforms to the DTD and satisfies the constraints. We show that DTDs interact with constraints in a highly intricate way and as a result, the consistency problem in general is undecidable. When it comes to unary keys and foreign keys ...

4 B2B contract implementation using windows DNS

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Ning He , Zoran Milosevic

Australian Computer Science Communications January 2001

Volume 23 Issue 6

This paper describes our implementation of a support infrastructure for electronic contracting --- an important ingredient of Business-to-Business (B2B) e-commerce. The paper first explains the main benefits of the new generation of Microsoft technologies - Windows Distributed interNet Applications Architecture (DNA) and BizTalk. This is followed by a detailed description of how we take advantage of the XML tools provided by these technologies - to implement our enterprise model of contracts. We ...

5 xlinkit: a consistency checking and smart link generation service

77%



Christian Nentwich , Licia Capra , Wolfgang Emmerich , Anthony Finkelstein

ACM Transactions on Internet Technology (TOIT) May 2002

Volume 2 Issue 2

xlinkit is a lightweight application service that provides rule-based link generation and checks the consistency of distributed Web content. It leverages standard Internet technologies, notably XML, XPath, and XLink. xlinkit can be used as part of a consistency management scheme or in applications that require smart link generation, including portal construction and management of large document repositories. In this article we show how consistency constraints can be expressed and checked. We des ...

6 XSLT powers a new wave of web applications

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Cameron Laird

Linux Journal March 2002

Volume 2002 Issue 95

Cameron explains the mysteries of XSLT and its multiple uses.

7 ATF Jubilee Edition

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Reuven M. Lerner

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